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**Name of Organization:** Macomb County Health Department

**Type of Organization:** County

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**Project Title:** Household Battery Collection and Recycling Program

**Project Category:** Pollution Prevention and Reduction - BNS

**Rank by Organization (if applicable):** 0

**Total Funding Requested (\$):** 31,100 **Project Duration:** 2 Years

**Abstract:**

The Macomb County Health Department (MCHD) is requesting assistance to support continuation of a unique and successful federal/local approach to divert household batteries away from landfills and incinerators and to a reclamation facility. This program, a collaboration between the MCHD and the U.S. Postal Service (USPS), focuses on public education and convenience of participation. The lobby of each of the County's 26 U.S Post Offices houses a household battery collection receptacle

This is an effective program, having recovered nearly 20 tons of batteries in its first two years. Due to budget constraints, however, the program cannot continue without additional outside support.

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**Geographic Areas Affected by the Project**

**States:**

|  |                                       |
|--|---------------------------------------|
| <input type="checkbox"/> Illinois            | <input type="checkbox"/> New York     |
| <input type="checkbox"/> Indiana             | <input type="checkbox"/> Pennsylvania |
| <input checked="" type="checkbox"/> Michigan | <input type="checkbox"/> Wisconsin    |
| <input type="checkbox"/> Minnesota           | <input type="checkbox"/> Ohio         |

**Lakes:**

|  |   |
|--|---|
| <input checked="" type="checkbox"/> Superior | <input checked="" type="checkbox"/> Erie      |
| <input type="checkbox"/> Huron               | <input type="checkbox"/> Ontario              |
| <input type="checkbox"/> Michigan            | <input checked="" type="checkbox"/> All Lakes |

**Geographic Initiatives:**

|  |                                  |                                     |   |  |
|--|----------------------------------|-------------------------------------|---|--|
| <input type="checkbox"/> Greater Chicago | <input type="checkbox"/> NE Ohio | <input type="checkbox"/> NW Indiana | <input checked="" type="checkbox"/> SE Michigan | <input checked="" type="checkbox"/> Lake St. Clair |
|--|----------------------------------|-------------------------------------|---|--|

**Primary Affected Area of Concern:** Clinton River, MI

**Other Affected Areas of Concern:** Detroit River, MI

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***For Habitat Projects Only:***

**Primary Affected Biodiversity Investment Area:**

**Other Affected Biodiversity Investment Areas:**

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**Problem Statement:**

The Macomb County Health Department (MCHD) is requesting assistance from the USEPA Great Lakes National Program Office to support continuation of a unique and successful federal/local approach to divert household batteries away from landfills and incinerators and to a reclamation facility. This program, a collaboration between the MCHD and the U.S. Postal Service (USPS), focuses on public education and convenience of participation. The lobby of each of the County's 26 U.S. Post Offices houses a household battery collection receptacle. Battery receptacles and informational brochures will also be placed at County facilities.

This project is worthy of funding for several reasons:

- because this is an award-winning program that has demonstrated its effectiveness, we provide a proven performance capability; due to County budget constraints the program cannot continue without additional outside support.
- the rationale/relevance/basis for action for the program is the well-recognized problem of mercury emissions from landfills and incinerators and the resultant water quality problems associated with the bioaccumulation of mercury
- the program supports the goals of the BNS
- it supports green technology by reducing the generation of a persistent bioaccumulative substance
- it addresses the specific needs of the Clinton River Area of Concern by reducing mercury discharges to Lake Erie and St. Clair/Lake St. Clair/Detroit River basins, where beneficial use impairments exist due to mercury bioaccumulation.

**Proposed Work Outcome:**

The proposed work will consist of the following components:

- printing 10,000 educational brochures for distribution at at County facilities
- collection and reclamation of up to 40,000 pounds of household batteries {this amount is based on the past two years (1998 and 1999) of the program's operation during each of which over 18,000 pounds of mercury-containing batteries were collected and recycled}

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**Project Milestones:****Dates:**

|                                       |         |
|---------------------------------------|---------|
| Project Start                         | 10/2000 |
| Prepare and print brochures & signs   | 12/2000 |
| Purchase receptacles and pails        | 12/2000 |
| Arrange for battery reclamation       | 12/2000 |
| Begin quarterly evaluation of program | 01/2001 |
|                                       | /       |
|                                       | /       |
| Project End                           | 09/2002 |

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☐ Project Addresses Environmental Justice

**If So, Description of How:**

☒ Project Addresses Education/Outreach

**If So, Description of How:**

Brochures describing the Household Battery Recycling Program have been produced with assistance from a previous funding source. Additional copies of this brochure will be printed for distribution at Macomb County facilities.

**Project Budget:**

|                            | <b>Federal Share Requested (\$)</b> | <b>Applicant's Share (\$)</b> |
|----------------------------|-------------------------------------|-------------------------------|
| <b>Personnel:</b>          | 0                                   | 5,000                         |
| <b>Fringe:</b>             | 0                                   | 1,500                         |
| <b>Travel:</b>             | 0                                   | 0                             |
| <b>Equipment:</b>          | 0                                   | 0                             |
| <b>Supplies:</b>           | 1,500                               | 0                             |
| <b>Contracts:</b>          | 0                                   | 0                             |
| <b>Construction:</b>       | 0                                   | 0                             |
| <b>Other:</b>              | 29,600                              | 0                             |
| <b>Total Direct Costs:</b> | 31,100                              | 6,500                         |
| <b>Indirect Costs:</b>     | 0                                   | 1,000                         |
| <b>Total:</b>              | 31,100                              | 7,500                         |
| <b>Projected Income:</b>   | 0                                   | 0                             |

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**Funding by Other Organizations (Names, Amounts, Description of Commitments):**

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**Description of Collaboration/Community Based Support:**

Collaboration will continue with the U.S. Postal Service, which will provide space in each of the 26 Macomb County U.S. Post Offices for collection receptacles.